

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/GB 03/02756

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12Q1/00 G01N33/487

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 22158 A (ABBOTT ANDREW ;CULLIS PAUL (GB); AHMED FARJAD (GB); ROBERTS GORDON) 20 April 2000 (2000-04-20) page 3, line 17 -page 5, line 26; claims 1-6,9,10,12-14	1-32
Y	claim 1	14-16
X	ZHANG Z ET AL: "DIRECT ELECTRON INJECTION FROM ELECTRODES TO CYTOCHROME P450CAM IN BIOMEMBRANE-LIKE FILMS" JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS, ROYAL SOCIETY OF CHEMISTRY, CAMBRIDGE, GB, vol. 93, no. 9, 7 May 1997 (1997-05-07), pages 1769-1774, XP000700595 ISSN: 0956-5000 page 1769: "Eperimental" abstract	1,2,4,5, 11,12, 25,29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

8 September 2003

Date of mailing of the international search report

22/09/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SUGIHARA N ET AL: "IMMOBILIZATION OF CYTOCHROME P-450 AND ELECTROCHEMICAL CONTROL OF ITS ACTIVITY"  POLYMERS FOR ADVANCED TECHNOLOGIES, JOHN WILEY AND SONS, CHICHESTER, GB,  vol. 9, no. 5, 1 May 1998 (1998-05-01),  pages 307-313, XP000768598  ISSN: 1042-7147  page 308: "Immobilization of P-450cam"  abstract; figure 1</p>	<p>1,2,4,5,  7,13,14,  25,29,30</p>
X	<p>IWUOHA E I ET AL: "DRUG METABOLISM BIOSENSORS: ELECTROCHEMICAL REACTIVITIES OF CYTOCHROME P450CAM IMMOBILISED IN SYNTHETIC VESICULAR SYSTEMS"  JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, NEW YORK, NY, US,  vol. 17, no. 6/7, 1998, pages 1101-1110,  XP000874063  ISSN: 0731-7085  abstract</p>	<p>1,2,4,5,  11,12,  25,29,30</p>
Y	<p>VILKER V L ET AL: "BACTERIAL CYTOCHROME P-450 ENZYMES AND REACTIONS ON IMMOBILIZED ELECTRODES. I. PRELIMINARY STUDIES"  REDOX CHEMISTRY AND INTERFACIAL BEHAVIOR OF BIOLOGICAL MOLECULES, PLENUM PRESS, NEW YORK, NY, US,  1987, pages 105-112, XP000874489  the whole document</p>	<p>14-16</p>
A	<p>HEERING H A ET AL: "Direct detection and measurement of electron relays in a multicentered enzyme: voltammetry of electrode-surface films of E. coli fumarate, an iron-sulfur flavoprotein"  JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US,  vol. 119, 1997, pages 11628-11638,  XP002193725  ISSN: 0002-7863  abstract</p>	<p>1-32</p>

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0022158 A	20-04-2000	AU 6216699 A	01-05-2000
		EP 1119636 A1	01-08-2001
		WO 0022158 A1	20-04-2000
		US 6492132 B1	10-12-2002